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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/081,920	02/20/2002	James R. Uhl	07039-393001	2201
26191	7590	12/19/2003		
FISH & RICHARDSON P.C. 3300 DAIN RAUSCHER PLAZA 60 SOUTH SIXTH STREET MINNEAPOLIS, MN 55402				
			EXAMINER CROSS, LATOYA I	
			ART UNIT 1743	PAPER NUMBER

DATE MAILED: 12/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/081,920

Applicant(s)

UHL ET AL.

Examiner

LaToya I. Cross

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. Claims 1-5, 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,882,943 to Aldeen in view of US patent 4,591,486 to Eberle.

Aldeen discloses a kit and method for processing microorganisms (parasites) from human and animal specimens. The kit comprises a filtration apparatus and preservation fluid dispenser. Referring to figure 2, the filtration apparatus comprises a specimen receptacle (110) and a collection receptacle (150). The specimen receptacle holds an original human or animal sample. The collection receptacle holds the portion of the sample from the specimen receptacle that bypasses the porous bottom (140) of the specimen receptacle. The specimen receptacle includes an open end (102), large enough to receive a sample transfer device. The specimen receptacle also includes an open bottom end having a porous material having holes small enough so as to not allow the specimen transfer device to pass through. The collection

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receptacle includes an open end into which the specimen receptacle is received and a closed end where the final sample is collected. The preservation fluid is a buffer agent or other agent for preserving the sample. The preservation fluid is contained with a dispenser (packaging). With respect to the method for processing microorganisms, Aldeen discloses mixing a sample with a preservation solution and transferring the solution into the above described filtration apparatus. At col. 10, lines 14-22, the reference teaches that the specimen may be collected on a specimen transferring device (688), which is placed into the dispenser which may be adapted to engage open end (102) of the specimen receptacle, without the possibility of exposing the user to the specimen. See figure 8. Next, the entire filtration apparatus is centrifuged to produce a supernatant and a pellet in said collection receptacle (col. 45, line 54 – col. 46, line 26). With regard to the microorganisms to be processed, Aldeen discloses bacterium such as *E. coli*.

Aldeen differs from the instantly claimed invention in that Aldeen discloses a spatula as the specimen transferring device, whereas the instant claims recite the use of a swab.

Eberle teaches a device for separating a sample into a more useful portion for analysis. The device of Eberle comprises a tube separated into sections. Eberle teaches introducing sample into the upper portion of the centrifuge tube by way of a cotton swab. The swab containing the sample is centrifuged. It is conventional to use a swab as a specimen collection/transferring tool, as is taught by Eberle. A swab allows sample from discrete locations to be collected in sufficient amounts for analysis. It would have been obvious to one of ordinary skill in the art to substitute the spatula of Aldeen with a swab to collect and transfer the microorganism sample because of its ability to collect sample in a manner sufficient for analysis.

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Therefore, for the reasons set forth above, Applicants' claimed invention is deemed to be obvious, within the meaning of 35 USC 103, in view of the teachings of Aldeen and Eberle.

4. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aldeen and Eberle as applied to claims 1-5, 7 and 8 above, and further in view of US Patent 5,498,395 to Moore, Jr. et al.

Neither Aldeen and Eberle disclose a sterile containment vessel.

Moore, Jr. et al teaches the importance using a sterile centrifuge tubes for human samples. It would have been obvious to one of ordinary skill in the art to use sterile centrifuge tubes in Aldeen to alleviate the possibility of contaminating the user or contaminating the sample itself.

Therefore, for the reasons set forth above, Applicants' claimed invention is deemed to be obvious, within the meaning of 35 USC 103, in view of the teachings of Aldeen, Eberle and Moore, Jr. et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaToya I. Cross whose telephone number is 703-305-7360. The examiner can normally be reached on Monday-Friday 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on 703-308-4037. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. The Examiner is scheduled to relocate on December 17, 2003. After this date, the Examiner can be reached at (571) 272-1156.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

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December 14, 2003


Jill Warden
Supervisory Patent Examiner
Technology Center 1700